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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/598,756

06/29/2007

Torgeir Hamsund

HAMS/0005

9877

26290 7590 01/07/2008  
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EXAMINER

COLQUITT, AARON BRUCE

ART UNIT

PAPER NUMBER

3735

MAIL DATE

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PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/598,756	<b>Applicant(s)</b> HAMSUND, TORGEIR	
	<b>Examiner</b> AARON B. COLQUITT	<b>Art Unit</b> 3735	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. ____.                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>09/11/2006; 02/05/2007</u> .                                  | 6) <input type="checkbox"/> Other: ____.                          |

## **DETAILED ACTION**

### ***Specification***

1. The following guidelines illustrate the preferred layout for the specification of a utility application. These guidelines are suggested for the applicant's use.

#### **Arrangement of the Specification**

As provided in 37 CFR 1.77(b), the specification of a utility application should include the following sections in order. Each of the lettered items should appear in upper case, without underlining or bold type, as a section heading. If no text follows the section heading, the phrase "Not Applicable" should follow the section heading:

- (a) TITLE OF THE INVENTION.
- (b) CROSS-REFERENCE TO RELATED APPLICATIONS.
- (c) STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT.
- (d) THE NAMES OF THE PARTIES TO A JOINT RESEARCH AGREEMENT.
- (e) INCORPORATION-BY-REFERENCE OF MATERIAL SUBMITTED ON A COMPACT DISC.
- (f) BACKGROUND OF THE INVENTION.
  - (1) Field of the Invention.
  - (2) Description of Related Art including information disclosed under 37 CFR 1.97 and 1.98.
- (g) BRIEF SUMMARY OF THE INVENTION.
- (h) BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWING(S).
- (i) DETAILED DESCRIPTION OF THE INVENTION.
- (j) CLAIM OR CLAIMS (commencing on a separate sheet).
- (k) ABSTRACT OF THE DISCLOSURE (commencing on a separate sheet).
- (l) SEQUENCE LISTING (See MPEP § 2424 and 37 CFR 1.821-1.825. A "Sequence Listing" is required on paper if the application discloses a nucleotide or amino acid sequence as defined in 37 CFR 1.821(a) and if the required "Sequence Listing" is not submitted as an electronic document on compact disc).

#### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

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(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by US Pat. No: 6,511,414 to Hamsund (hereinafter "Hamsund '414").

Hamsund '414 teaches an incubator (fig. 1, 2) comprising a top section (1, 2) and a base section (9, 15). The top section (1, 2) comprises an outer hemispherical shield (1) in a transparent material and an inner hemispherical shell (2) cut open at the top. Between the shells there is an air space. The infant lies inside a chamber (23) defined by the top section (1, 2) and the base section (9, 15), and preferably lies on a bottom board (10) (col. 2, lines 40-50).

Portholes (20) in the top section allow the infant to be cared for and pass through both the outer shell and the inner shell.

Air is supplied to the chamber (23) through air supply pipe (11) and duct (8) in the base section and flows out into the chamber (23) from the ducts (8) between the base section and the bottom board (10), up along the edges of the bottom board and on the inside of the inner shell, ensuring that a constant adequate flow of fresh air to the infant lying in the incubator (col. 2, lines 57-65).

A supply duct (18) for the supply of fresh, optionally oxygen-enriched, air to the incubator is provided with the bottom member and will replace any air which might leak out the incubator (col. 3, lines 25-33).

A valve (19) closes the air outlet pipe (12) and opens the supply duct (18) when one or more of the covers (22) are opened. The valve (19) can be maneuvered in response to the opening of one or more covers by means of a micro-switch in connections with the doors (22), or with the aid of sensors. The incubator then has a small overpressure in the chamber (23) relative to the

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surroundings to ensure that cold and possibly impure air is not drawn into the incubator through open portholes (20) (col. 3, lines 45-60).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamsund '414.

Hamsund '414 teaches an incubator that comprises a swivel in the junction between the pipes and the supporting member. The bottom board may be fixedly mounted on the supporting member and is rotatable to facilitate access to and care of the infant without having to open more portholes than necessary. The possibility of rotating the bottom board, and thus the infant, is of great importance for the best possible access to the infant during routine nursing and care. The board can be rotated manually by the attending person by inserting their hands into the openings and turning the board with their hands. If desired the incubator may be equipped with a locking device which prevents the bottom board from turning unintentionally, or may comprise a motor for automatic rotation without the need to open the incubator (col. 4, lines 33-60).

Hamsund '414 discloses the claimed invention except that the bottom board supporting the infant is rotatable relative to the cover, instead of the cover being rotatable relative to the platform. It would have been obvious to one of ordinary skill in the art at the time the invention was made to provide the cover with a swivel instead of (or in addition to) the platform in order to more easily attend to the infant from any location of the incubator, since it has been held that a mere reversal

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of the essential working parts of a device involves only routine skill in the art. In re Einstein, 8 USPQ 167.

6. Claim 8 is rejected under 35 U.S.C. 103(a) as being unpatentable over Hamsund '414 in view of US Pat. No: 6,418,932 to Paschal, Jr. et al. (hereinafter "Paschal '932").

Hamsund '414 teaches a device for an incubator comprising a circular platform, ventilation aggregate and a cover, and a chamber designed to receive air from ventilation via a duct and airflow apertures. The incubator of Hamsund '414 however fails to disclose at least five nursing openings.

Paschal '932 teaches an isolation pod for an individual comprising air intake and exhaust ports and valves for unidirectional filtered-air flow. The isolation pod also comprises a plurality of ported isolation gloves. The gloves (19) located in the multitude of port openings (fig. 1).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to form an infant incubator similar to that of Hamsund '414 with five portals that provide access to a patient, similar to the plurality of Paschal '932, to provide for an incubation device that has multiple access points in order to allow for patient treatment without exposure of the patient to the ambient environment.

### ***Conclusion***

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US Pat. No: 7037254 to O'Connor et al. teach a controlled environment that allows access for treatment.

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US Pat. No: 6641521 to Kolarovic teach an infant incubator with an air circulation system.

US Pat. No: 6409654 to McClain teach an incubator for premature infants with communication capabilities.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to AARON B. COLQUITT whose telephone number is (571)270-1991. The examiner can normally be reached on Monday-Friday 7:30 - 5:00 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Marmor II can be reached on (571) 272-4730. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Charles A. Marmor, II/  
Supervisory Patent Examiner  
Art Unit 3735

/A. B. C./  
Examiner, Art Unit 3735  
1/7/2008

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